

PATENT
62649-00002**Amendments to the Claims:**

This Listing of Claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Original) A handheld electric part handling device comprising:
a pair of first and second legs respectively provided, at their free ends, with contact pieces for holding the part therebetween; at least the first leg being movable toward and away from the second leg to close and open the legs; and
a first biasing member for biasing the first leg in the direction to close the legs
2. (Original) A handheld device according to Claim 1, wherein the first biasing member is arranged to exert such a biasing force that the part held between the contact pieces will not drop by its self-weight.
3. (Original) A handheld device according to Claim 1, further comprising a second biasing member for biasing the first leg in the direction to open the legs, and a switching member for switching the biasing condition of the first leg between a normal biasing condition in which the second biasing member is effective, and a reverse biasing condition in which the first biasing member is effective.
4. (Original) A handheld device according to Claim 3 wherein a common biasing member serves as said first and second biasing members, and the switching member is arranged to switch the biasing direction of the common biasing member.
5. (Original) A handheld device according to Claim 4, wherein said movable leg is pivotally supported by a supporting shaft, the common biasing member is arranged to cause a moment in the movable leg to turn the movable leg around the supporting shaft, and the switching member is arranged to switch the direction of the moment between clockwise and counterclockwise directions.

LOSANGELES/211808.3

BEST AVAILABLE COPY

PATENT
62649-00002

6. (Original) A handheld device according to Claim 5 wherein said common biasing member includes a elastic member which generates a restoring force when it is deformed, the elastic member having one end connected to a first connection point fixed on the movable leg, and the other end connected to a second connection point movable by the switching member, the second movable point being moved by the switching member to assume opposite positions with respect to a line passing through the supporting shaft and the first connection point.
7. (Original) A handheld device according to Claim 6 wherein the biasing force of the second biasing member is larger than that of the first biasing member.
8. (Original) A handheld device according to Claim 1 wherein each leg includes a heater provided within the leg, and each leg is substantially straight from the heater including portion to an end of the contact piece.
9. (Original) A handheld device according to Claim 1 wherein the included angle of the legs in closed condition is between 10° and 14°.
10. (Original) A handheld device according to Claim 9 wherein the included angle of the legs in closed condition is approximately 12°.
11. (Original) A handheld electric part handling device comprising:
 - a pair of first and second legs respectively provided, at their free ends, with contact pieces for holding the part therebetween; at least the first leg being movable toward and away from the second leg to close and open the legs;
 - a biasing member for biasing the first leg in a first direction to open the legs and in a second direction to close the legs; and
 - a switching member for switching the biasing direction of the biasing member between the first and second directions.
12. (Original) A handheld electric part handling device according to Claim 11, further comprising a manipulation member manipulated to open or close the legs against the biasing

LOSANGELES211828.3

3

**PATENT
62549-00002**

force of the biasing member, the manipulation member having a first portion manipulated against the biasing force in the first direction, and a second portion manipulated against the biasing force in the second direction.

13. (Original) A handheld electric part handling device according to Claim 2, further comprising a housing on which the second leg is fixed, and a movable sleeve movable relative to the housing and for holding the first leg, and wherein the movable sleeve is pivotally supported on a shaft to pivot around the shaft, the switching member includes a switching lever pivotally supported on the housing to swing between a first position and a second position, and the biasing member includes an elastic member extended between the switching lever and the movable sleeve to bias the movable sleeve in the first direction when the switching member is at the first position, and in the second direction when the switching member is at the second position.

14. (Original) A handheld electric part handling device according to Claim 13, wherein the elastic member includes a tension coil spring connected to the switching lever at a first connecting point and to the movable sleeve at a second connecting point and arranged such that the first connecting point is on one side of an imaginary line passing through the second connecting point and an axis of the shaft when the switching lever is at the first position, and that the first connecting point is on the other side of the imaginary line when the switching lever is at the second position.

15. (Previously Presented) A system for installing and removing an electrical component to a substrate, the system comprising:

a first leg capable of providing power to a heat generating member near a tip;

a second leg capable of providing power to a heat generating member near a tip; and

a housing having a first sleeve and a second sleeve adapted to receive the first leg and the second leg, respectively, where the first sleeve is adapted to pivot with respect to the second sleeve between a first bias position and a second bias position, where in the first bias position the first and second sleeves are biased away from each other, where in the second bias position the first and second sleeves are biased towards each other.

LOSANGELES/2118023

PATENT
62549-00002

16. (Previously Presented) The system according to claim 15, where the housing includes a lever adapted to move between a first position and a second position, where in the first position the first sleeve is in the first bias position, and in the second position the first sleeve is in the second bias position.

17. (Previously Presented) The system according to claim 15, where the first sleeve has a first recess and a second recess, where the first sleeve pivots about a pivot point that is between the first and second recesses such that actuation of the first recess causes the first and second sleeve to close and the actuation of the second recess causes the first and second sleeves to open.

18. (Previously Presented) The system according to claim 15, where the second sleeve is fixed within the housing.

19. (Previously Presented) The system according to claim 15, where when the first and second sleeves are closed so that the tips of the first and second legs touch, the included angle of the first and second legs is between about 10° and about 14°.

20. (Previously Presented) The system according to claim 19, where the included angle is about 12°.

21. (Previously Presented) A handle for a soldering iron adapted to receive a first leg and a second leg, where each leg is adapted to provide power to a heater near its tip, the handle comprising:

a first sleeve adapted to receive the first leg;

a second sleeve adapted to receive the second leg, where the first sleeve is adapted to pivot with respect to the second sleeve between a first bias position and a second bias position, where in the first bias position the first and second sleeves are biased away from each other, where in the second bias position the first and second sleeves are biased towards each other.

22. (Previously Presented) The handle according to claim 21, where in the second bias position, the tips of the first and second legs are combined to provide a larger soldering tip.

LOS ANGELES 211808J

PATENT
6249-00002

23. (Previously Presented) The system according to claim 21, where the housing includes a lever adapted to move between a first position and a second position, where in the first position the first sleeve is in the first bias position, and in the second position the first sleeve is in the second bias position.

24. (Previously Presented) The system according to claim 21, where the first sleeve has a first recess and a second recess, where the first sleeve pivots about a pivot point that is between the first and second recesses such that actuation of the first recess causes the first and second sleeve to close and the actuation of the second recess causes the first and second sleeves to open.

25. (Previously Presented) The system according to claim 21, where the second sleeve is fixed within the housing.

26. (Previously Presented) The system according to claim 21, where when the first and second sleeves are closed so that the tips of the first and second legs touch, the included angle of the first and second legs is between about 10° and about 14°.

27. (Previously Presented) The system according to claim 19, where the included angle is about 12°.

28. (Previously Presented) A handle for a soldering iron adapted to receive a first leg having a tip and a second leg having a tip, the handle comprising:

means for biasing the first and second legs to move either away or towards each other.

29. (Previously Presented) The handle according to claim 28, further including:

means for biasing the first and second legs to combine the tips from the first and second legs to provide a larger combined tip.

LOS ANGELES 2/11/2003

BEST AVAILABLE COPY

PATENT
62:49.00002

30. (New) A handheld electric part handling device according to Claim 11, wherein said first leg is capable of providing power to heat generating member near its contact piece and said second leg is capable of providing power to heat generating member near its contact piece, and the handheld electric part handling device further comprises a housing having a first sleeve and a second sleeve adapted to receive the first leg and the second leg respectively, wherein the first sleeve is adapted to pivot with respect to the second sleeve is to be biased in a first bias direction and a second bias direction, wherein in the first bias direction the first and second sleeves are biased away from each other, wherein in the second bias direction the first and second sleeves are biased towards each other.

31. (New) A handheld electric part handling device according to Claim 30, wherein the switching member includes a lever adapted to move between a first position and a second position, wherein in the first position the first sleeve is biased in the first bias direction, and in the second position the first sleeve is biased in the second bias direction.

32. (New) A handheld electric part handling device according to Claim 30, wherein the first sleeve has a first recess and a second recess, where the first sleeve pivots about a pivot point that is between the first and second recesses such that operation on the first recess causes the first and second sleeve to close and operation on the second recess causes the first and second sleeve to open.

33. (New) A handheld electric part handling device according to Claim 30, wherein the second sleeve is fixed within the housing.

34. (New) A handheld electric part handling device according to Claim 30, wherein when the first and second sleeves are closed so that the contact pieces of the first and second legs touch each other, the included angle of the first and second legs is between about 10° and about 14°.

35. (New) A handheld electric part handling device according to Claim 34, wherein the included angle is about 12°.

LOSANGELES/216912.1

7